

2 Williams Street  
Chelsea, MA 02150  
( 617 ) 889 - 6515



## INSPECTORATE

## QUALITY CERTIFICATE

Vessel	"Georgia"	Port	Boston, MA	Report	121407
Customer	Conoco Phillips	Date	December 12, 2007	Reference	
Operation	Analysis	Terminal	Sprague Deepwater Quincy	Sample #	1416695

Name of material being tested  
Description of sample source  
Samples Drawn by (company)  
Samples Tested by (company)

**0.5% No 6 Fuel Oil**

Shore Tank # 11 After Discharge  
Inspectorate  
Inspectorate

Tests being Performed	Test method	Sample Results		
Gravity API @ 60F / Density	D - 4052	14.0	/	0.9725
Flash Point, PMCC, F	D - 93		210	
Viscosity cSt @ 122F	D - 445		403.2	
Viscosity SSF @ 122F	D - 2161		190.3	
Pour Point C / F	D - 97		15 / 59	
Sulfur, Wt%	D - 4294		0.470	
Water and Sediment, Vol %	D - 1796		0.100	
Sediment by Extraction, Wt%	D - 473		0.227	
Water by Distillation, Vol%	D - 95		<0.1	
Gross Heat of Combustion, BTU / lb	D - 240		18,740	
Gross Heat of Combustion, BTU / gal	D - 240		151,775	
Ash, wt %	D - 482		0.045	
Vanadium, ppm	D - 5863B		10	
Sodium, ppm	D - 5863B		33	
Nitrogen, wt%	D - 5762		0.306	
Ashphaltenes, wt%	IP - 143		0.69	
Conradson Carbon Residue	D - 189		6.20	
Aluminum, ppm	D - 5863B		67	
Silicon, ppm	D - 5863B		88	
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\*\* Annotates Analysis Contracted Out

\*\*\* Annotates Loadport information- this test was not performed by Inspectorate